ALPHA SYSTEMS

Alpha Systems - Always working to bring more power to your Atari 8-bit & ST computers

Complete Line of Atari ST & 8-Bit Software Hardware Accessories

NEW for your ST

Beat Box - Turn your ST into a digital drum machine

Switch/Back - Innovative new hardware/software package

Digi Spec - Display Computer-Eyes pictures in 512 colors

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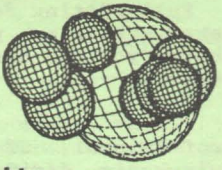
NEW for your 8-bit Atari



CHEAT! - Play your favorite games with unlimited lives

Pop-N-Rocker - Exciting new game with digitized sound

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Quality Software for your Atari

1012 Skyland Drive, Macedonia, OH 44056

NEW BEAT BOX

Is it a Drum Machine? Is it a Song Construction Set? Is it a new concept in Digital Music? The answer is - YES!! It's all three - and so much more. It's ... Beat Box!

Beat Box brings the world of music to your fingertips. It's a full blown polyphonic song construction set that turns your ST into a drum machine and digital sequencer. Never before has your ST made this kind of music with so little effort. Now anyone can be a master composer. No musical knowledge required!

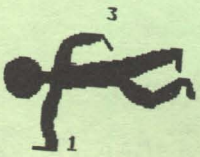
The easy to use GEM interface makes it simple. Just point and click to create fascinating drum, voice, or musical patterns. Up to 30 different patterns can be combined and arranged to form a complete musical composition.

Full editing features, including cut, copy, paste, and delete make arranging patterns a breeze. At the click of your mouse button you can change the speed, or use a different rhythm from waltz to rock.

Play your song through your ST monitor, Digisound Professional, ST-Replay, or Navaronne (Hippo), in 4 voice, polyphonic, digitzed sound.

Beat Box comes with over 35 ready to use sampled sounds, so you don't even need a digitizer to become a master digital musician. Beat Box fully supports Digisound, ST-Replay, and Navarone (Hippo) sound digitizers, so the supply of sounds is limitless!

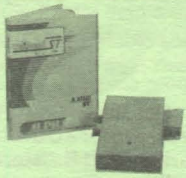
Taking a Beat Break is more fun than any computer game. And Beat Box includes a public domain Song Player, so you can share your musical masterpieces with your friends.



Beat Box ST $29.95

Digisound ST

© 1987



PROFESSIONAL

Digisound Professional is a professional quality sound digitizer system, at a price anyone can afford. This powerful hardware and software package lets you sample real sounds and play them on any Atari ST.

Digisound Professional's advanced software gives you complete control of your sound. You can record anywhere from 5K to 40K samples per second. A unique software feature turns your Atari ST into an oscilloscope, and lets you view the sound wave as it plays.

You can use special effects like reverse, squeeze, stretch, looping, pitch manipulation, and fade in/out on all or part of any sound. The echo feature lets you create your own echo effect; a metallic robot, a rich reverb, a clear distinct repeat, or anything in between. The Real Time mode lets you test different sound effects without altering the sound wave in memory. You can mix and merge sound sections or files, apply envelope effects, delete sections of sound, add white noise or silence, or Undo any of these commands.

The **Digisound** software even turns your Atari ST into a musical instrument. Play your digitized sound on your Atari keyboard, or on any MIDI compatible keyboard.

It's easy to use **Digisound** sounds in your own Atari BASIC, GFA BASIC, or C program. All the routines you'll need are provided on the disk.

The **Digisound Professional** hardware plugs directly into the cartridge port on your ST. The two input jacks, with separate gain controls, give you internal real time mixing. You can record from a powered source, such as a tape recorder, and an unpowered source, like a microphone, at the same time. Record yourself singing along with your favorite band!

You can play the sound out through the monitor speaker, or through an external amplifier. The output jack, with its own gain control, lets you hook any amplifier to your ST. Just plug your amplifier, loudspeaker, or PA system into the output jack on the **Digisound Professional** hardware.

Digisound Professional even has a unique logarithmic sampling feature (external playback only) that gives you sound quality far above that of other sound digitizers.

DIGISOUND *PROFESSIONAL* $149.95

Digisound

Digisound ST gives you the same powerful software as **Professional.** Record at rates from 5K to 40K per second. Reverse, stretch, and squeeze sounds. Add looping, envelopes, white noise, silence, and fade in/out. Use pitch manipulation, or use the special echo feature to create your own echo effect — robotic, reverb, clear and distinct — or anything in between. Add effects in real time, without altering the sound wave, or reverse them with the Undo command.

Turn your Atari ST into a musical instrument. Play your sounds on your Atari ST keyboard, or on any MIDI compatible keyboard.

Use your Digitized sounds in your own Atari BASIC, GFA BASIC, or C programs. Mix and merge your digitized files to create unique new sound combinations.

The **Digisound** hardware is designed for easy use, so even a beginner can create spectacular sound effects. The hardware plugs directly into the cartridge port. It has a single input jack, so you can record from tape recorders, CD players, stereos, TVs, VCRs, powered microphones, amplifiers, etc.

The sound plays out directly through your monitor speaker, so **Digisound** is ideal for programmers. **Digisound ST** was used to create the sounds in *Chessmaster 2000,* and other commercial programs.

DIGISOUND $89.95

Power Print ST BLOW YOURSELF UP

$39.95

Imagine yourself on a 6' poster. Create a business graph that covers a wall. Quality output for posters, T-shirts, newsletters, and more.

Whether it's a photo digitized with ComputerEyes, a masterpiece created with Degas, or the winning screen from your favorite game, POWERPRINT can print it all with unequaled clarity and resolution.

POWERPRINT supports all ST resolutions. It prints in multiple sizes, up to **Giant Wall Sized Posters.** Print in 16 shades for incredible detail. Print whole screen, or **ZOOM** in on just the part you want. POWERPRINT offers unique special effects, including **Rotate, Mirror,** and **Inverse** options. POWERPRINT's unique **Selective Shading** option allows you to print multi-color pictures on any printer by printing one color at a time (color ribbons required).

POWERPRINT lets you capture and display almost any ST screen, with all of POWERPRINT's exciting features.

POWERPRINT works with Star, NEC, CItoh, Epson, XMM804, and compatible printers.

Get BOTH Powerprint and Color ComputerEyes and SAVE $20

COLOR COMPUTEREYES™
Color Video Digitizing System

COLOR COMPUTEREYES is the first and **only** color digitizer for the ST. No black and white system can produce such high quality, digitized images, in **Full Color** and Black and White in up to 16 shades.

- Captures images from video cameras, VCRs, or Video Disks.
- Images **FILL THE WHOLE SCREEN** in **ALL ST Resolutions** for incredible results.
- Automatically calibrates Brightness, Contrast, and Color Balance or adjust them yourself after the image has been captured.
- Easy to set up and use. The hardware plugs right into the cartridge port.
- Use the pictures with POWERPRINT, Degas, Neochrome, and other graphics, drawing and DTP programs.
- Completely compatible with DIGISPEC (below). Use DIGISPEC and COLOR COMPUTEREYES to create images in 512 colors.
- The highest quality digitizer available. No other system can beat its features.

COLOR COMPUTEREYES™ $199.95

DIGISPEC

Display your Color ComputerEyes pictures in a rainbow of 512Colors

DIGISPEC is an exciting new breakthrough in computer video digitizing. **DIGISPEC** works with your Color ComputerEyes to create **spectacular 512 color** video images. Now you can capture and display video pictures in unsurpassed detail and clarity, with 512 different colors on your ST screen.

DIGISPEC is easy to use. It works on any ST computer. Simply capture an image with your Color ComputerEyes and color video camera (or VCR, video disk, etc.). Then run **DIGISPEC,** and watch as your picture appears in a full rainbow of 512 true colors.

DIGISPEC includes a special shading feature to give you even more detail and color. The shading feature uses a technique called dithering, which creates and displays images in 3,375 or even 24,389 simulated colors.

DIGISPEC creates detailed, low resolution video images on any Atari ST, color video camera (or VCR), and Color ComputerEyes. Every Color ComputerEyes needs **DIGISPEC!**

$39.95

MEGADISK

- An Ultra High Speed disk drive
- 500% Faster than a hard disk
- Provides almost instant booting
- Acts like a RAM disk that's always loaded with your favorite programs
- Always ready to use

MEGADISK is a new concept in disk drives. It's solid state storage — RAM that simply plugs into your cartridge port! It acts like a disk drive, but you've never seen any drive this fast before. It comes with its own power supply and battery back-up system. It won't lose its memory when you turn off your ST. When you boot from MEGADISK your favorite programs are loaded almost instantly.

MEGADISK can be configured to your needs. Set it up as one large drive, or a drive and a print spooler, or as two drives and a print spooler. There's a MEGADISK to fit every need.

MEGADISK is perfect for those who want the high speed of a hard disk for a lower price. It's even better for power users or software developers who may already own a hard disk and two drives, but want extra speed and power. MEGADISK can also emulate other cartridges for testing and back-ups.

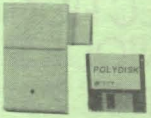
Use a MEGADISK (with 1 meg or more) with SWITCH/BACK to jump between two full size one meg applications.

512K MEGADISK — A MEGADISK with 512K of RAM. It's expandable up to 1 Full Meg by inserting additional 256K DRAM chips (instructions included). It comes complete with a power supply and battery back-up system.

ULTRADISK — The Ultimate MEGADISK. Set it up as 2 meg or even up to 4 full meg by inserting 1 meg DRAM chips (instruction included). Comes with a power supply and battery back-up system. Special Order Item. Call Customer Service for more information.

Call for price and availability.

POLYDISK



A Best-Buy Ideal For Most Users

POLYDISK — A 512K version of MEGADISK. POLYDISK gives you the same boot features, the same high speed access, and the same print spooler. POLYDISK has a power supply, but does not contain a battery back-up. An economical alternative to Expandable MEGADISK, the best choice for most users.

NOTE: If you have 512K, you can still use SWITCH/BACK with POLYDISK

POLYDISK — Complete with power supply and ready to use. . . **Call for price and availability.**

CLOCK OPTION for Megadisk or Polydisk. Adds a clock/calendar to your Megadisk or Polydisk. Contains a 3-year replaceable battery. **$29.95**

SWITCH BACK

Requires 1 Meg of RAM

Or a Megadisk or a Polydisk

- Imagine saving almost any game at any point, then being able to return there as many times as you like.
- Imagine the Ultimate Back-Up Utility, that actually UNPROTECTS programs as it copies them. Lets unprotected programs be stored as files, run from a hard disk, or even transmitted over a modem.
- Imagine saving three or more protected single sided disks on just one double sided disk.
- Imagine instantly switching back and forth between two different programs, games, utilities, or business applications.

Now stop imagining and get Switch/Back.
It can do all this and more.

Switch/Back is a revolutionary new hardware and software package that lets you get more from your ST, MUCH MORE.

GAMES — Switch/Backs gaming features lets you instantly save most games, then continue playing. If you get into trouble, you can switch back to where you were as many times as you like.

BACK-UPS — Switch/Back can work with your favorite back-up program and allow you to save whole protected disks to files for archival purposes. It can also automatically unprotect a program and save it as a standard file. This method works on hundreds of ST programs, and it allows you to run the files directly. It's perfect for running protected programs off a hard disk. It creates standard TOS files, that can be stored together on disks or transferred by modem.

SWAP — Switch/Back lets you load just about any two or more programs into your ST and switch instantly between them. It works with games, business programs, utilities, compilers, etc. Although only one program is running at a time, the other is available instantly, right where you left off.

The Switch/Back hardware plugs into your printer port for easy use (it has a pass through connection for your printer, too).

Switch/Back requires at least 1 meg of memory (Or a Megadisk or a Polydisk)

SWITCH/BACK Only $69.95

ST PROTECTION TECHNIQUES

Book & Disk Package

Finally, ST copy protection techniques are revealed. This complete book and disk package details the state of the art in ST software protection methods, and much, much more.

The software that comes with the book provides you with many powerful features, including the AUTOMATIC PROGRAM PROTECTOR. This unique, easy to use utility lets you protect just about any ST program. You can choose a combination of protection methods, like encryption, password protection, and checking custom disk formats. It even has a special Limited Use option, that makes the program self-destruct after running a present number of times.

The book covers topics such as Phreaking, Logic Bombs, Hardware Data Keys, Custom Disk Formats, Software and Copyright Law, and the Law and Piracy. In addition, it contains reviews of the popular ST back up programs, and detailed explanations of ST disks and drives.

Book & Disk
Coming Soon
$39.95

BASIC **TURBOCHARGER** BOOK and DISK SET $24.95

Machine Lanaguage Routines for Atari BASIC Programmers

TURBOCHARGE your BASIC programs! Anyone, even beginning BASIC programmers, can put the speed, power, and flexibility of machine language into a BASIC program. This unique book and disk package has **over 160 ready to run machine language routines** that can easily be called from any BASIC program. These routines were written, tested, and used by some of the best professional programmers. Just a few of the many topics covered are:

Number Sorting & Searching	Moving Memory	Player Missiles	Picture Printing Routines
Graphics, Text & Special Effects	String Searches	Picture Scrolling	Picture Load & Saves
Number Systems Conversions	Timing Routines	Bit Manipulations	DLI Routines
Filling & Clearing Memory	Disk I/O	Joystick Routines	Many More

Each routine is included in a working BASIC demonstration program, LISTed and completely explained in the book, and included on the accompanying disk. They're all ready to use — no typing required! All the work has been done for you. There's no license fees, so you can use these routines in your own commercial programs.

Don't wait — Turbocharge your BASIC programs today!!

Experienced Assembly Language Programmers — Source code for all routines (2 disks)

• $10.00 when ordered with BASIC TURBOCHARGER • $15.00 when ordered separately •

ALL JUST $99.95

HACK PACK

SAVE MONEY with this special package deal. HACK PACK contains all our finest products for making Back-Ups, Analyzing, and Understanding and protecting your Atari programs. Includes: **Atari Software Protection Techniques Vol I** (book & disk), **Advanced Atari Protection Techniques Vol II** (book & disk), **Chipmunk, Scanalyzer, Impersonator,** (book, disk, & hardware), and **Disk Pack 1000.** Together, they're worth over $150.

HACK PACK for your 8-bit Atari

CHEAT

CHEAT for your 8-bit Atari

$24.95

Get more from your games with CHEAT. Tired of spending days trying to beat a game? Tired of getting stuck just when you need another life? CHEAT is an innovative new product that gives you the chance you need to beat your games. CHEAT works with hundreds of Atari games to give you unlimited lives or power. Just check the list below. End the frustration and get hours more enjoyment from your games.

CHEAT Works On These Programs

ABRACADABRA
AIR STRIKE
ALP MAN
ANDROMEDA
ARENA
ATOM SMASHER
BC'S QUEST
BLUE THUNDER
BOOTLEG
BOULDERDASH I & II
BUCK ROGERS
BURTS BREW BIZ
CAVERNS OF MARS
CPT. BEEBLE
CPT. COSMO
CPT. STICKY GOLD
CASTLE HASSLE
CHAMBERS ZORP
CHICKEN
CHOMPER
CHUCKIE EGG
CIMEX REX
CITADEL WARRIOR
CROSSFIRE
CYCLOD
DA FUZZ
DESMOND'S DUNGEON
DIAMONDS
DIANE'S GAME
DIG DUG
DINKY DO
ELIMINATOR
ESPIAL
FIREFLEET
FLYING ACE
FORTUNE HUNTER
FROGGER II
FROGGIE
GALACTIC CHASE
GATEWAY APSHAI
GHOST CHASER
GHOST ENCOUNTER
HAUNTED HILL
HAZARD RUN
HENRI
HOT LIPS
ION ROADWAY
JAMES BOND
JETBOOT JACK
JUMPING JIM
JUMPMAN
JUNGLE BOY
KARATEKA
KAYOS
KISSIN KOUSINS
KRAZY KOPTER
L.A. SWAT
LASER ANTS
LAST V8
LIVEWIRE
LUNAR LEEPER
MEGAMANIA
METEOR STORM
MR. COOL
MR. DO'S CASTLE
MONTEZUMAS RV
MOON PATROL AH
MYRIAPEDE
NEPTUNES DGHTR
OILS WELL
OLLIES FOLLIES
OZZIE'S ORCHARD
PARALAX
PHOBOS
PIE MAN
PINHEAD
PITFALL
POGO JOE
POGOMAN
POLAR EXPLORER
PROTECTOR II
RAID GRAVITATION
REPOTN
RESCUE MSSN P2
RETURN JEDI
RIVER RESCUE
ROBIN HOOD
ROTO
RUSH HOUR
RUM RUNNER
SATAN'S HOLLOW
SCOOTER
SCROLLS ABANDON
SEA CHASE
SHAMUS II
SLIME
SNAKE BYTE
SNAPPER
SNEAKERS
SPECIAL DELIVERY
SPIDER INVASION
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STARGT COURRIER
STAR CRYSTALS
SURVIVOR
THRAX LAIR
THESHOLD
THRUST
THUNDERBOMBS
TOPPER
TURMOIL
TWERPS
UP 'N DOWN
VENUS VOYAGER 2
WAR COPTER
WHOMPER STOMPER
YARGOS
ZEPPLIN

Chipmunk $34.95

Want to create **working, unprotected back-ups** of your 8-bit software without expensive hardware modifications? Now you can — with **CHIPMUNK,** the latest innovative break through in back-up software. Now you can put your expensive, original disks away for safekeeping. CHIPMUNK back-ups can be **created and run on any standard Atari disk drive.** You don't need any special hardware, and you don't have to modify your disk drive or computer. CHIPMUNK is all you need to make **running back-up copies** of your software. The best part is, **each and every back-up copy you make is completely unprotected.**

CHIPMUNK backs up hundreds of programs, **even heavily protected programs.** Just check the list. Order **CHIPMUNK** today, and you'll never need to worry about accidentally erasing or damaging your irreplaceable originals again.

Chipmunk Backs-Up These Programs

221B BAKER STREET
A.E.
ACE OF ACES
ACTION BIKER
ADVENTURE MASTER
AEROBICS
AGENT USA
AIR SUPPORT
ALIEN ADDITION
ALIENENCOUNTER/FACE FLASH
ALPHABET ARCADE
*ALTERNATE REALITY
ANDROMEDA CONQUEST
ANTI-SUB PATROL
AQUATRON
ARCADE MACHINE
ARROW GRAPHIC'S/GULP
*ASPHI TRILOGY
ASYLUM
ATARI MACROASSEMBLER 1.0A
ATARI WORD PROCESSOR
ATARI MUSIC I & II
ATARIWRITER +
AUTODUEL
AWARDWARE
B/GRAPH 1.1, 1.1.1
BACK-UP MASTER 2.0
BAJA BUGGIES
BALLYHOO
BANDITS
BANK STREET MUSIC WRITER
BANK STREET WRITER
BANNERCATCH
*BASIC COMPILER
BATALLION COMMANDER
BATTLE FOR NORMANDY
BATTLE OF ANTIETAM
BATTLE OF SHILOH
BATTLECRUSIER WW I & II
BATTLING BUGS/
CONCENTRATION
*BATTY BUILDER
BEACHLANDING
BEACH-HEAD, I & II
BERSERKER RAIDS
BEYOND CASTLE WOLFENSTEIN
BIOLOGY
BLADE OF BLACKPOOLE
BLAZING PADDLES
BLUE MAX
BOOKKEEPER 5.4 (S1,S2)
BOP 'N' WRESTLE
BOUDLERDASH CONSTRUCTION
SET
BREAKTHROUGH IN ARDENNES
BRIDGE 4.0
BRIMSTONE
BROADSIDES
BRUCE LEE
CARRIER FORCE
CASTLE CLOBBER
CASTLE WOLFENSTIEN
CAVERNS OF CALLISTO
CAVERNS OF MARS
CHAMPIONSHIP GOLF
CHAMPIONSHIP LOADRUNNER
CHATTERBEE
CHEM LAB
CHESS 7.0
CHESSMASTER 2000
CHICKAMUNGA
CHIPHUNK
CHOP SUEY
CHOPLIFTER
CLAIM JUMPER
CLEAR FOR ACTION
CLOSE ASSAULT
CODEWRITER
COLONIAL CONQUEST
COLOR PRINT
COLORASAURUS
COMBAT CHESS
COMBAT LEADER
COMPLETE PERSONAL
ACCOUNTANT
COMPUBAR/GOLF CLASSIC
COMPUBRIDGE
COMPUTER AMBUSH
COMPUTER BASEBALL
COMPUTER CRAYONS
COMPUTER GORMET
COMPUTER QB 1984 TEAM DISK
COMPUTER QUATERBACK
CONAN
CONFLICT IN VIETNAM
COSMIC BALANCE, I & II
CRISIS MOUNTAIN
CROSSCHECK
CROSSWORD MAGIC
CRUSADE IN EUROPE
CRUSH, CRUMBLE AND CHOMP
CURSE OF RA
CUTTHROATS
DALLAS QUEST
DATA PERFECT
DATASOFT BASIC COMPILER
DAY AT THE RACES
DEADLINE
DECISION IN THE DESERT
DEMOLITION DIVISION
*DESIGN LAB
DISK 50
DISKEY
DISKWHIZ II
*DRAGON'S KEEP
DRAGONRIDERS OF PERN
DROL
EAGLES
EARLY GAMES
EARTH SCIENCE
EARTH VIEWS
EIDOLON
ELECTRIC CHECKBOOK
ELEKTRAGLIDE
ENCHANTER
*ETERNAL DAGGER
EPIDEMIC
ESSEX
EXPENSE TRACKER
F-15 STRIKE EAGLE
FACTORY, THE
FAMILY TREE
FIELD OF FIRE
FIFTY MISSION CRUSH
FIGHT NIGHT
FINAL CONFLICT
*FIRST ALPHABET
FLEET SYSTEM II
FOOBLITZKY
*FORMS GENERATOR
FORT APOCOLYPSE
FORTRESS
FRACTION FACTORY
FREAKY FACTORY
FREE TRADER
*FRENCH VOCABULARY
*FROGGER I & II
GFS SORCERESS
GALATIC ADVENTURES
*GAUNTLET
GEMSTONE WARRIOR
GEOGRAPHY
*GERMAN VOCABULARY
GET RICH!
GETTYSBURG
GHOSTBUSTERS & SPEECH
*GHOST ENCOUNTER
GOLDEN OLDIES
GOONIES
GRAPHIC MASTER
GRAPHIC SHOP
GRAPHICS GENERATOR
GRAPHICS WORKSHOP
GREAT AMERICAN ROAD RACE
GUDERIAN
GULFSTRIKE
GUMBALL
GUNFIGHT/SEAWOLF II
GUNSLINGER
HBJ SAT
HACKER
HALLEY PATROL
HALLEY PROJECT
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HEY DIDDLE DIDDLE
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THE GALAXY
HOLLYWOOD HIJINX
HOME ACCOUNTANT 2.1
HOME FILING MANAGER
HOME PAK
I LOVE MY ALPHABET
IMPERIUM GALACTUM
IN SEARCH MOST
AMAZING THING
INFIDEL
INFILTRATOR
INSTRUCTIONAL COMPUTING
DEMO
JAWBREAKER
JINGLE DISK
JUGGLE'S HOUSE
KAMPFGRUPPE &
SCENARIO DISK
KARATEKA
KEN USTON'S BLACKJACK
KENNEDY APPROACH
KINDERCOMP
KING CRIBBAGE
KNIGHTS OF THE DESSERT
KORONIS RIFT
KRELL SAT
KYAN PASCAL
LASER HAWK
LAST V-8, THE
LEADERBAORD
LETHER GODDESSES
OF PHOBOS
LETTER PERFECT
LITTLE RED RIDING HOOD
LODE RUNNER
LODE RUNNER'S RESCUE
* LOVE ALPHABET
LURKING HORROR
MAC 65
*MACRO ASSEMBLER
MAGIC DUMP II
MAGIC SPELLS
MAIL ORDER MONSTERS
MARAUDER
MARKET PLACE
MASK OF THE SUN
MASTER OF THE LAMPS
MASTERTYPE
MASTERTYPE FILER
MATCH MAKER
MATCH WITS
MATH MAZE
MAXWELL MANOR
MECH BRIGADE
*MEGAFONT I & II
MEMORY MANIA/
MAXWELL'S DEMON
MENUWRITER
MERCENARY
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SOLVING
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MICROPAINTER
MICROSOFT BASIC 1.0
MICROTYPING II
MICROZINE
MIDWAY BATTLES
MIG ALLEY ACE
MILLIONAIRE
MINDSHADOW
MINDWHEEL
MINUS MISSION
MISSION ON THUNDERHEAD
MISSION: ASTERIOD
MMG BASIC COMPILER
*MODE MIXER
MONEY MANAGER
MONKEY MATH
MONTEZUMA'S REVENGE
MOONMIST
MOUSE ATTACK
MOUSETRAP
*MOVIE MAKER
MR. DO
MR. DO'S CASTLE
MR. FUZZ FUZZY/PHANTOM
MAKER
MRCA MACH 2 COMBAT
SIMULATOR
MUSIC I, II, & III
MUSIC PAINTIER
MUSIC STUDIO
MY FIRST ALPHABET
NAM
NECROMANCER
*NET WORTH
NEVERENDING STORY
*NEWS STATION
NIGHT RAIDERS
NINJA
O'RILEY'S MINE
OGRE
ON-TRACK RACING
OPERATION MARKET GARDEN
OPERATION WHIRLWIND
PDI SAT
PM ANIMATOR
PAGE DESIGNER
PAINT
PANZER GRENADIER
PAPERCLIP
PARIS IN DANGER
PATHFINDER
PEGGAMMON
PERIPHERAL VISION
PHANTASIE
*PHYSICS
PICNIC PARANOIA
PINHAD
PIRATES OF THE BARBARY
COAST
PITFALL/DEMON ATTACK
PITSOPT II
PLANETFALL
*PM ANIMATOR
POGO JOE
POOYAN
PREFIXES
PREPPIE, I & II
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PRINT SHOP COMPANION
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PRINT SHOP INTERFACE
PRINT WHIZ
PRISONER 2
PROOFREADER
PROTECTOR, THE
*PUBLISHING PRO
QUASIMODO
QUEST, THE
QUIK PIX PC 2.0
*RACING DESTRUCTION SET
RAMBRANDT
RAID OVER MOSCOW
RAIDUS
RAILS WEST
RASTER BLASTER
READER RABBIT
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THE Scanalyzer

Special feature for 130XE single pass sector copier — No more disk swapping!

Scans and analyzes all Atari programs. Works on programs stored on disk or cartridge, or loaded into memory. Converts complex machine language into readable Assembly language. Transforms any Atari BASIC program into listable, modifyable, BASIC. Changes a 4K, 8K, or 16K cartridge into a binary load file that you can view and change. Clearly shows protection techniques such as Bad or Duplicate Sectors, Bad Data Marks, and Forced CRC Errors. It even finds and displays hidden directories. No other program can do all this!

SCANALYZER is an integrated software package which allows you to understand and modify programs, even complex, heavily protected ones. SCANALYZERS sophisticated modules work together, allowing you to get the most from your software.

THE MODULES

1. BASIC LISTER – Converts protected BASIC programs into listable, modifyable BASIC.
2. DIRECTORY FINDER – Finds and displays hidden disk directories and allows you to copy files to a disk with a normal directory.
3. CARTRIDGE READER – Reads any 4K, 8K, or 16K cartridge and saves its data to binary load disk file, which can be used with the IMPERSONATOR cartridge, or modified with other SCANALYZER modules.
4. DISK SCANNER – Finds and identifies all popular disk protection techniques, including Forced CRC Errors and Duplicate Sectors. It displays the contents of any disk or file, for examination or modification. SCANALYZER also shows detailed directory and VTOC information, allows tracing of sector links, and other functions.
5. DATA ANALYZER – Converts 6502 machine language into readable Assembly language compatible with Atari Assembler/Editor. Analyzes binary load files (like those created with the CARTRIDGE READER), boot sectors, arbitrary sectors, or code in memory.
6. DISK BACK-UP – A fast action copier which provides you with two methods to create standard unreadable sectors.
7. INTRODUCTION DISPLAY – For those who like fancy introduction screens, but don't like to sit through them every time the disk is booted.

Supports Enhanced Density

SCANALYZER ONLY

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Now you can make normally running back-up copies of all your 4K, 8K, and 16K cartridges. The special software allows you to save data from a cartridge to an ordinary disk file, which runs exactly like the original cartridge when it's used with the IMPERSONATOR cartridge. The IMPERSONATOR cartridge plugs directly into the cartridge slot on your 800, XL, or XE computer.

IMPERSONATOR
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Your Atari Comes Alive

Connect your Atari to "real world" devices. Now, for the first time ever, you can inexpensively connect your Atari to a wide range of external sensors and devices that you can build. This "How To" book and disk package details the construction, usage, and programming for these devices, and more:

Light Pen	Light and Motor Controls
Alarm Systems	Light and Motion Sensors
Networks	Data Encoders and Decoders
Infrared Sensors	Tone Decoders

The commercial versions of these devices sell for hundreds of dollars, but this book will show you how to build your own for just a fraction of the cost.

Your Atari Comes Alive gives a thorough overview of the electronics and programming required, as well as detailed schematics and assembly instructions. The disk contains over 120 Listable BASIC and Assembly language programs to communicate with your creations.

Build useful and exciting devices while saving money!

Your Atari Comes Alive
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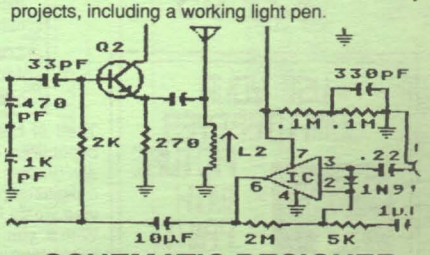
SCHEMATIC DESIGNER

SCHEMATIC DESIGNER helps you creat the electronic gadgets of your dreams. It features 28 built-in symbols, ready for you to use at the press of a button, all in high resolution graphics. Need a title? Use the write mode to write any letter, symbol, control character, micro, or ohm symbol to the screen. Use the built in DOS to save your drawing for later use. Rename, delete, lock, and unlock with the directory continuously displayed on the screen and your schematic tucked safely away. The full size Help screens make everything easy. Now your schematics done, but you need to take it to your basement workshop. Print in on paper. SCHEMATIC DESIGNERS built in printer utility prints the schematics on EPSON and NEC compatible printers. Or, you can load the schematic into your own printer utility program (like Magniprint II+).

Just imagine for a moment, no more sharpening pencils, eraser marks or smears, all gone every last one. SCHEMATIC DESIGNER includes sample schematics which can be used to build many projects, including a working light pen.



SCHEMATIC DESIGNER
$24.95
For 8-bit Ataris

COMPUTEREYES

COMPUTEREYES lets you take any form of video input and save it as a high resolution graphics screen. You can use a video camera, VCR, video disk, other computers, etc. Now you can capture your picture, your friends, or any video image and display it on your 8-bit Atari computer. COMPUTEREYES is an innovative slow scan device that connects any standard video source and your 8-bit Atari computer. It plugs directly into the joystick port.

- Do a complete Hi-Res scan in under 6 seconds.
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- Plugs into your Atari joystick ports, and uses a standard video plug.
- Machine language image capture routines.
- Menu-driven programs.
- Image save/retrieve from disk routines.
- Tutorial for first-time users.

COMPUTEREYES & MAGNIPRINT II+ PACKAGE

Now anyone can create spectacular graphic effects. When ComputerEyes is combined with Magniprint II+, you get unique capabilities no other system can offer.

- Print your digitized pictures in different sizes, including posters 6' across.
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- Modify your ComputerEyes images with a drawing program, or Magniprints touch-up feature.
- Add custom text to your image.

Graphics *Transformer*
$22.95

Magniprint II+ produces the best quality picture your printer can deliver...[it's] best features are it's excellent GTIA 16-shade printouts and the remarkable (yet easy) gigantic, multi-page posters. - ANTIC MAGAZINE

Magniprint II is a versatile and powerful program which will meet most, if not all your printout needs. The price is hard to beat, its power obvious, its features many. - ANALOG MAGAZINE

MAGNIPRINT II+

The plus is in the shading — now Magniprint lets you print the highest quality reproductions of your screens available anywhere. It lets you choose the shading you want for different colors and shades on the screen. It allows you to adjust the shades while your picture is displayed on the screen, so what you see is what you get. Magniprint prints the shades on your standard printer and paper by using specially designed dot patterns, yielding better looking output than you get on your screen.

This new feature is perfect for printing pictures from Koala Pad, Touch Tablet, Micro Illustrator, and others. It will amaze you when you print pictures from ComputerEyes or Strip Poker.

Magniprint II+ is the most powerful print utility available for your computer. It is the only software that can accurately print GTIA modes with 16 shades.

WITH MAGNIPRINT II+, YOU CAN:

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- Use Star, NEC, Citoh, Epson, Gemini, Panasonic, or Atari XMM801 or compatible printers (850 interface or equivalent required)
- Do amazing graphics with your standard printer and paper
- Add text to your pictures, in multiple fonts and sizes
- Change graphics modes for special effects
- ZOOM feature lets you print the whole screen or just the part you want
- Prints GTIA modes 9, 10, 11 with 16 shades
- A special quick print feature lets you have a quick preview of the picture
- HELP screens for easy use
- Posters are printed along continuous sheets of paper which are attached together when done
- Touch-Up mode lets you change pictures with a joystick.

MAGNIPRINT II+ **$24.95**
FREE: With Magniprint — PRINTALL. Allows you to print your programs or files exactly as they appear on the screen. Clearly prints all graphics symbols, control, and inverse characters.

COMPUTEREYES & MAGNIPRINT II+ **$119.95**
Includes ComputerEyes and Magniprint II+.

COMPUTEREYES CAMERA SYSTEM **$329.95**
Includes ComputerEyes, B/W video camera, Magniprint II+, & 10' cable.

COMPUTEREYES GRAPHICS 9 CAPTURE SOFTWARE **$12.00**
Add a new dimension to your ComputerEyes, capture pictures in graphics 9 in 16 shades.

Tired of being restricted to a single graphics program and its limited capabilities? Free yourself! Graphics *Transformer* lets you use almost any graphic with almost any graphics program. For example you can use a digitized picture in a Print Shop greeting card, or a Typesetter icon in your Koala Pad art work. And Graphics *Transformer* doesn't stop there. With it, you can

• Combine and merge pictures from different programs • Shrink or enlarge pictures to fit your needs • Use pictures from almost any graphics drawing program, including Koala Pad, Touch Tablet, Computer Eyes, Print Shop, Magniprint II+, Graphics Master, Strip Poker, Atari graphics Light Pen, and others, even pictures drawn with BASIC programs.

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Your Atari Comes Alive	24.95
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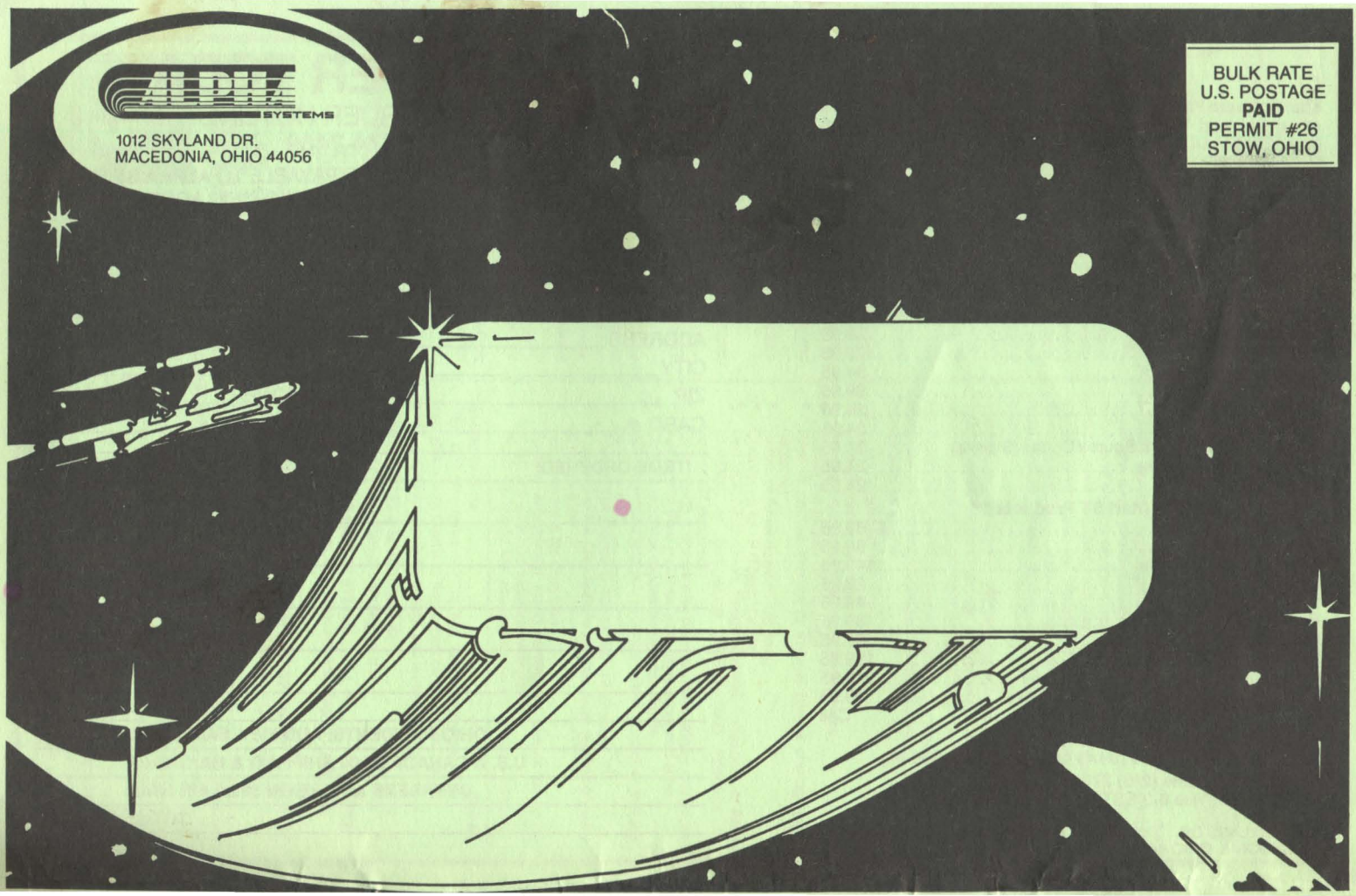
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A "MUST READ" FOR ANY ATARI OWNER

Atari Software Protection Techniques Vol. I is a comprehensive guide to the methods of copying and protecting disks, cartridges and cassettes. It explains the techniques used by advanced software pirates and discusses methods to protect software from them.

This book teaches you what Bad and Misassigned sectors are, how they are used, and how they are created. It includes detailed information on ROM and EPROM cartridges, and explains how they can be copied and protected.

It contains complete instructions for protecting BASIC programs, including disassembling the BREAK and SYSTEM RESET keys, stopping SAVEs and LISTS and DOS copies. It shows you, step-by-step, how to hide directories and VTOCs.

Volume I thoroughly discusses the procedures for hand breaking code, and how these methods are thwarted. It explains what hardware data keys are, how they work, and how they can be made and duplicated.

This book also covers the legal aspects of piracy and protection. It includes discussions of topics like Self Destructing Code and FreeWare, and Psychological techniques to prevent piracy.

Atari Software Protection Techniques Vol. I comes with a companion disk which enables you to use these protection methods quickly and easily. This special disk contains a Directory Mover, a Bad Sector Writer, a Misassigned Sector Finder, and much more. You no longer need to waste valuable programming time creating and debugging protection for your software. Just pop in the disk and you're on your way.

Together these books offer a complete guide to state-of-the-art in software copying and protection methods. They include the very latest methods used by companies like Synapse and Electronic Arts. Their respective disks contain everything you need to protect your programs from prying eyes and greedy hands of others. Both are written with easily understood explanations and examples by George Morrison — a noted authority on software protection. They tell you everything you wanted to know abut piracy and protection techniques, but were afraid to ask,

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BOTH SETS FOR ONLY $39.95

Advanced Atari Protection Techniques Book and Disk Set Volume II $24.95

Learn the Latest Software Copy and Protection Techniques

- Short Sectoring
- Overfilled Tracks
- Unstable Sectoring (Phantom or Fuzzy Sectoring)
- Logic Bombs, Program Worms, Trojan Horse Programs
- Hacking, Cracking and Phreaking — including on-line protection and the construction of your own black box.
- Detailed explanations and Recommendations regarding all the popular back up tools, including the Happy Enhancement, The Impossible, The 1050 Duplicator, The CHIP, and more.
- The latest news about Piracy and Cracking, includes the facts about FBI sting operations on BBS systems, the new computer crime bill, the latest exploits of systems hackers, and the recent crackdown on piracy.
- Future Direction of Protection — the ADAPSO hardware key standard, bank select cartridges, 130XE potentials.

Protect Yourself

Lend your software with confidence that it can't be copied or altered.

Advanced Software Copy Protection That's Simple to Use

- PASSWORD — Make programs or files accessible only with a password you select.
- ENCRYPTION — Data encoding allows a program to run normally, while it's virtually impossible to change. Protect your title, copyrights, etc. so that no one can find or change them. Uses advanced 64 bit keys.
- PROTECTION CHECKING — Have a program automatically check for bad sectors, CRC errors duplicate, or even unstable sectors.
- SELF DESTRUCTION — Allow a program to run only the number of times you select. After that, it self-destructs and displays your private message.
- DIRECTORY HIDING — Files and programs run normally, but the directory looks like that of a blank disk.

These techniques and many more can be at your command using our simple menu driven software. It's all automatic, you just select the combination of methods you want and your binary load (or data) files are safe from copying, misuse, or alterations. No programming skill needed.

More than just software, this package features a large, spiral bound book, over 150 pages, detailing the working of Advanced software protection and much more.

More Than Just Software

This super package is not just another software program! It comes with a comprehensive spiral bound book, over 150 pages long, with complete information about every aspect of software protection. It tells you exactly, step-by-step, how protection schemes work and how they're crated. It includes detailed discussions of software laws and electronic bulletin board systems, as well as honest reviews of popular commercial back-up systems.

SOUND DIGITIZER FOR 8-BIT ATARIS

PARROT II

ALL NEW

ALL NEW
HARDWARE & SOFTWARE

An ALL NEW PARROT sound digitizer for your Atari. PARROT II is a sophisticated new hardware device that plugs into your joystick port. PARROT II has two input jacks, one for a microphone, one for a powered source such as a tape player, radio, or compact disk.

The powerful PARROT II software lets you record sounds into your computer, and play them back on any 8-bit Atari. PARROT II also turns your Atari's keyboard into a digital synthesizer, with nine different sounds in over three octaves each! The sounds can be anything . . . if you can hear it, you can record it and use it. A dog's bark, a piano, a complete drum set, a symphony orchestra, or your own voice.

PARROT II lets you modify the sound on a graphics display to create brand new sounds and special effects. Best of all, the sounds and voices can be put into your own programs, that can be used on any standard Atari.

Explore the world of digital sound and music.

PARROT II Hardware & Software $59.95

PARROT DEMO

A disk that shows you just what PARROT II can do! Sounds, effects, songs, games, etc. Does not require Parrot to run. Special Autoplayer plays songs for you. You pick the song, you pick the sound, no playing skill required! Great addition to your library whether you're a Parrot owner or not.

$5.00

PRE-RECORDED SOUNDS

A disk packed full of sounds, songs, and special effects to use with your PARROT or PARROT II sound digitizer.

$4.95

POP-N-ROCKER

USE IT WITH YOUR PARROT OR PARROT II
— OR ALL BY ITELF —

$24.95

Pop-N-Rocker is a fast packed multi-player trivia game that mixes questions with REAL songs (digitized with PARROT). Be the first to identify the songs, and answer the music trivia questions. POP-N-ROCKER comes with **three** data disks and lets you **add new questions** so it will never get old. You can use a Parrot Sound Digitizer to **add new songs, too!** Use any kind of music, from rock to classical to nursery rhymes.

A new concept in entertainment and an excellent add-on for Parrot.